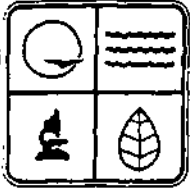


Westlake



0714
Solid Waste Lake #7
ID #MBD07990732
Break: 11.2
Other: C.U. 2
7-20-81
C.M.

DATE: July 20, 1981

TO: File *TBL*

FROM: Tom Ellis, Solid Waste Management Program

SUBJECT: Westlake Landfill Site Visit

On June 12, 1981 I met with Mr. David Murray, the consultant for the Westlake Landfill, for the purpose of viewing and discussing the operation of various aspects of the landfill. The landfill operator was also present during the entire visit. The aspects of the landfill viewed and discussed were: 1) the present disposal area operation, 2) the proposed landfill expansion area, 3) the operation of the leachate collection, removal, treatment and discharge system, 4) the landfill gas collection and burning system and 5) closure of the old landfill area on the western portion of the site.

The following is a discussion of each of the above points:

1. The present disposal area appeared to be operating satisfactorily. It was stated that this area had approximately eight weeks of remaining life under the present permit.
2. The proposed expansion area which had previously been named "Black Diamond Lake" due to the deep ponding of leachate from seepage out of a previously landfilled area was viewed next. This new proposed area is in a quarry setting. A platform for a pump and intake had been constructed on the lake and was currently not in use because the treatment plant it pumped to needed repair. (The lime feed was not working).
3. At the time of the visit the leachate treatment system had no flow going through it because the package plant had a lime feed problem. However, the three lagoons in series following the package plant were operating with aeration equipment on. There was no particular odor. The basic treatment scheme is as follows:

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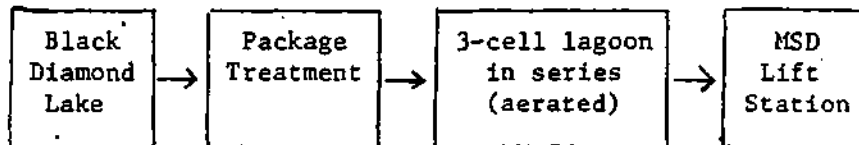
SUPERFUND RECORDS

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Robert J. Schreiber Jr., P.E. Director

DNR 0082



When operating, the treatment system discharge seems to meet limits established by MSD for connection.

4. The present landfill gas collection system is a passive system with the exception of the gas burner which helps to induce a draft through the approximate 24" CMP collection pipe. This pipe also serves as a drainage diversion culvert. The gas burner and controls had recently caught fire so the system was not in operation during the visit. The system had been installed due to odor complaints by the City of Bridgeton. Although this system was not functioning, odor from the landfill was not extremely bad.

An overall gas control and recovery system was discussed with Mr. Murray. This system would be an active system drilled into the refuse of the previous quarry fill and would eventually feed on asphalt plant. This system would also provide the most positive means of gas control. Mr. Murray indicated he would proceed with design of such a system as time permitted. I indicated our willingness to cooperate on the design of the system.

5. The last area looked at during the site visit was the old fill area away from the quarry operation to the west. This area had been used in years past for the disposal of refuse and demolition wastes. There has not been a coherent final grading plan for this area. It is not completely stable and the grading is quite irregular. I discussed with Mr. Murray and the operator the need for developing a plan to close out this area properly. They indicated this would be done after the detail of the current site expansion had been worked out.

After returning to the landfill office a discussion was had concerning the timing of the current landfill expansion permit request, the current permitting procedures and if there would be any problems in permitting and development of the landfill expansion. I indicated to Mr. Murray and the operator that it looked as if the tentative design approach would be feasible. I also indicated that in the past (approximately one year) there had been some question as to whether the landfill would be allowed to expand again. I mentioned this as a matter of fact as this had been relayed to me by Mr. Robinson when the previous permit had been applied for (summer, 1980). I again indicated that the design approach looked good to me and I had no basic problems. However Mr. Murray grew concerned when I mentioned Mr. Robinson's statement of summer, 1980. I suggested that he might contact Bob Schrieber to see if there might be other questions about future permit issuance or I could do it for him. Mr. Murray said he would.